

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Hurricane Sandy - Polrep/Sitrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region II

Subject: SITREP #33
 Operations Continue
 Hurricane Sandy

Edison, NJ
 Latitude: 40.4494047 Longitude: -74.4379073

To: Michael Hoppe, USEPA Region 02, ERRD-RPB

Thru: REOC Regional Incident Coordinator
 Eric Mosher

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From: REOC Situation Unit Leader,
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Date: 11/29/2012

Reporting Period: 0700 hrs 11/29/12 thru 1900 hrs 11/29/12

Executive Summary

Executive Summary

Hurricane Sandy operations continued in New Jersey with materials recovered in Monmouth County. Boat operations were successful in retrieving containers not accessible via land options. Air Operations occurred during the operational period which identified additional areas of concern along the Raritan, Hackensack, and Passaic Rivers. Future operations will address these findings.

The Clean Waters ocean survey vessel collected samples this operational period at 9 locations in Newark Bay/New York Harbor. These locations have previously been sampled and analysis will continue for determining levels of fecal coliform near the outfalls of PVSC.

Operations continued at two large wastewater treatment facilities in NJ. Air monitoring support will be discontinued at PVSC as no readings have come near levels of concern. Washing activities at MCCA are anticipated on achieving completion by December 7, 2012.

All NJ orphan container assessment and collection efforts will be completed by close-of-business on December 2, 2012. NJDEP has requested EPA to continue with disposal of collected materials, however collection activities should be suspended.

In New York, operations continued in three NYC Boroughs and Long Island. Curbside collection crews recovery HHW and orphaned containers throughout Staten Island, Howard Beach, Coney Island, Breezy Point, and additional areas. Boat operations along Jamaica Bay received materials trapped in debris lines generated from the storm surge.

At Fresh Kills staging area, materials continued to be shipped for disposal or reclamation/recycling. At Riis Park, the large debris piles continued to be trucked out in an expeditious manner. The proposed plan for moving the EPA staging area to another location of Riis Park has been discontinued due to an opening of space at the current location. The sand located at Riis Park is being sifted and shipped to areas throughout NYC for reuse.

A burn at Floyd Bennett Field occurred this morning and continued through the afternoon. The success of the burn improved in comparison to yesterday due to a change in loading techniques. The City also brought in a chipper to reduce the size of woodchips, which were approved for reuse outside of the quarantine zone by USDA. EPA continued to provide real-time air monitoring support of eight units operating in and around Floyd Bennett Field.

Operations in Nassau and Suffolk are expected to decrease following close-of-business December 2, 2012.

The total number of containers of hazardous materials collected in NY and NJ to date is 86,433.

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: Stafford Act	Response Type: Emergency
Response Lead: FEMA	Incident Category: Removal Action
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 10/29/2012	Start Date: 10/29/2012
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:

1.1.1 Incident Category

Hurricane Disaster Response

1.1.2 Site Description

1.1.2.1 Location

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem, Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic. Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk. On November 14, 2012 FEMA declared an additional 4 counties eligible for Individual and Public Assistance: Orange, Putnam, Sullivan, and Ulster.

1.1.2.2 Description of Threat

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments at Removal and Remedial Sites were conducted by RPMs, OSCs, and other agency personnel. Any issues at sites as a result of Hurricane Sandy have been resolved.

1.2 Incident Objectives

Incident Objectives

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.
- 4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.
- 5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.
- 6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.
- 7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.
- 8) Pursue and deploy any resources needed to support and sustain agency missions.

1.3 Critical Resource Needs

Critical Resource Needs

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. Liaison Officers in the FEMA JFOs continue to coordinate with other ESF partners on addressing needs.

1.4 Strategic Considerations

Strategic Considerations

- 1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.
- 2) Ensure staffing adjustments meet current operational needs.
- 3) Provide direct work and/or technical support to collect HHW.
- 4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.
- 5) Coordinate efforts with States to identify needs and resolve issues.
- 6) The PVSC and MUCA waste water facility responses are a high priority.
- 7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.
- 8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
- 9) Support the regional and national public affairs needs to provide effective messaging.

2. Current Activities

2.1 Operations Section

DIVISION NEW JERSEY

Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on November 3, 2012. On November 5, 2012, FEMA declared all remaining New Jersey counties eligible for Public Assistance.

NEW JERSEY RESPONSE ACTIONS

Field operations were focused on providing continued support by the Waste Water Assessment Teams to two large waste water treatment facilities in Middlesex

and Essex Counties; Mitigation Support efforts in Ocean and Middlesex Counties; Hazmat Assessment activities in Middlesex, Union, and Essex Counties; and Water Assessment activities in Essex and Hudson Counties.

Wastewater Facilities (NJ)

Passaic Valley Sewerage Commission (PVSC)

PVSC continues to work on the repair and/or replacement of equipment and electrical systems throughout the facility, and is making significant progress towards restoration of the facility's pre-storm removal efficiencies. For November 28, PVSC's effluent TSS removal efficiency was 90%

Synagro continues to operate the ten mobile dewatering centrifuges. However, PVSC's continuing ability to increase their permanent dewatering capabilities may enable PVSC to scale back Synagro's operation in the near future.

USEPA's ERRS contractors continue power-washing operations at the facility. These activities are being conducted in coordination with PVSC to augment PVSC's cleanout of the impacted tunnels and basements as a means of re-energizing pumps, motors, and electrical systems. ERRS will continue power-washing operations in coordination with PVSC personnel until a scheduled completion date of December 14.

At the request of PVSC, the on-site OSC met with PVSC's attorney and industrial hygiene staff to discuss concerns expressed by a PVSC employee regarding potential health concerns resulting from flood related damages (i.e., mold, pathogens, H₂S, etc.). The OSC offered to provide PVSC with the air monitoring data generated during USEPA's hydrogen sulfide (H₂S) air monitoring program, and has also provided contact information for additional resources (i.e., ATSDR) if needed.

In the current operational period, the USEPA ERT and OSC returned to the PVSC Facility for the continued management of the H₂S monitoring for the sludge dewatering process. There was an alarm overnight that was confirmed to be a pump error and was corrected in the morning. USEPA, in consult with the NJDEP, has directed the USEPA ERT to discontinue the ongoing H₂S air monitoring program. At 1000 EST, the ERT, along with their SERAS contractors, began the process of demobilizing all ten single point monitors. By 1300 EST, all the monitors were taken down, and no further air sampling/monitoring is to be conducted at PVSC.

No changes to Synagro's operational practices have been required.

Middlesex County Utility Authority (MCUA)

EPA continued steam-washing activities at the Sayreville Relief Pump Station (SRPS). The cleaning crew is utilizing scissor lifts to reach the higher elevations of the bottom room of the SRPS. It is anticipated that the SRPS cleaning will be completed by close of business December 8, 2012.

Pumping Status:

MCUA continues to take all measures to minimize pumping to the Washington Canal (a tributary of the Raritan River System). Despite all best efforts, three pumps discharged to the Canal beginning at approximately 1530 EST on November 28 and were cut off at approximately 0400 EST on November 29.

Pump Station Repair Status:

The repair schedule is still being refined; however, it is still anticipated that the first Sayreville station pump will be installed in the Original Sayreville Pump Station (OSPS) by December 7, 2012. That pump will provide a more permanent 40 MGD flow capacity in the system.

FEMA and NJ Office of Emergency Management (OEM) officials visited the Sayreville Pump Station and received a site status update from station personnel and from the on-site USEPA OSC.

Hazmat Assessment (NJ)

One team performed hazmat assessment operations in Middlesex, Union, and Essex Counties by air. By helicopter, the team identified several locations in the area of the Raritan, Hackensack, and Passaic Rivers, as well as areas in Newark and Edison. Several debris fields and drums were located and identified for recovery at a future date. One location in Edison was visited during the operational period and was closed without need for retrieval.

Water Assessment (NJ)

A water sampling team consisting of two USEPA DESAs and one RST were deployed via USEPA's Clean Waters boat to nine locations in the NY Harbor. Nine surface water samples were taken as part of ongoing testing for fecal coliform in the area of the PVSC Wastewater Treatment Plant.

Mitigation Team (NJ)

Two mitigation teams were deployed to Ocean, Monmouth, and Middlesex counties. A summary of their support activities is included below by individual team.

One mitigation team traveled to the Lakewood Pad. The team observed and documented items recovered in Monmouth County. EPA is currently contacting owners of recovered material identifiable by information on the drums to schedule pickup and removal from the pad. In the current operational period, Suburban Propane retrieved materials including numerous gas cylinders.

A second team deployed via boat to thirteen locations in Monmouth County in areas inaccessible by foot/motor vehicles. The team recovered various hazmat items and was able to close all locations.

New Jersey Hazardous Waste Summary *						Operational Period: 11/29/2012		
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Edison Staging Area	0	0	0	0	0	0	0	23
Lakewood Staging Area	9	0	3	0	0	0	12	203
Vineland Container Storage Facility**	0	0	0	0	0	0	0	24

Daily Total	12
Cumulative Total	250

* All Counts Based on Initial Intake Locations. ** Staging areas are no longer collecting/managing HHW.

NEW YORK RESPONSE ACTIONS

New York City Assessment Teams (NY)

An EPA recovery team conducted boat operations on the northeast side of Jamaica Bay. EPA is coordinating boat operation activities with the Jamaica Bay Unit Resource Advisor of Gateway National Park.

EPA assessment teams conducted reconnaissance and recovery in Rockland and Westchester Counties, and Staten Island Marsh. EPA recovery teams continued HHW and orphaned container collection activities in storm affected areas in Breezy Point-Rockaways, Staten Island and Brooklyn. HHW collection was also conducted in Howard Beach within the flooded areas south of the Belt Parkway between Old Mill Creek and Bergin Basin.

NYC Debris Management Plan

The burn at Floyd Bennett Field commenced at approximately 0640 during this operational period, and wood chips were added at approximately noon. The burn proceeded more smoothly this operational period as a result of adjustments to the loading process. The efficiency of the burn will have to be assessed once ash is removed. EPA continued to provide perimeter real-time air monitoring of the area before, during, and following the burn. NYC has air monitors in three off-site communities, which are being monitored by EPA. NYC OEM and EPA REOC continued to view the VIPER module on display throughout the burn. The EPA data management unit has begun compiling PM 2.5 monitoring data for evaluation and graphical presentation.

A NYC's Parks Department contractor has moved its chipper on site and has re-chipped approximately 15% of the mulch. The contractor estimates completion of re-chipping efforts by the end of December 2. A USDA representative has been on site and has indicated that the size of the re-chipped mulch complies with USDA requirements to facilitate movement of the material out of the area for beneficial reuse.

Sand sifting operations for approximately 80,000 cubic yards of sand commenced at Riis Park during this operational period. The city has started to move the clean sand in pre-identified areas throughout NYC. Sand on Coney Island has been cleared for reuse without trellising under boardwalks for beach replenishment. It appears that sand will not be utilized at Mariner's March Park at this time.

It is estimated that debris at Riis Park will be trucked off site by December 8, 2012. The fence construction project at Riis Park has ceased as it is no longer deemed necessary. The purpose of the fence was to help control litter from the Temporary Storage Site, however, the ACE's contractor has a dedicated crew to do litter clean up in and around Riis Park. Although current debris is expected to be off site by December 8, 2012, ACE and the City will not be done operating at Riis Park for several months.

Approximately 2,254 vehicles and 200 boats have been removed from impacted areas to temporary storage areas. EPA will review a plan, which is under development, for environmentally friendly demolition activities.

ACE is gearing up for the Private Property Debris Removal (PPDR) phase of operations in high impacted areas. Several issues are being worked on, including a plan for asbestos removal and HHW removal from structures, which will be placed on curbs for EPA to pick up. The implementation of the guidance plan for dealing with NESHAPs issues in a catastrophic event is under discussion. FEMA is inspecting homes on the "grey" list, which are homes to be demolished that Sandy burnt or destroyed with one wall or less standing. Some grey list homes are being moved to red list homes. Red list homes would be determined to be structurally unsound and have more than one wall standing. Plans continue to be developed regarding the demolition of private property in NYC. ACE has indicated that NYCDEP wishes to handle the fuel oil from the properties and EPA to dispose of HHW from the locations.

Proposed HHW strategies for Fire Island include contacting FEMA to clarify FEMA/ACO plans and coordinate; considering designation of an HHW collection for the year round residents and another collection in the Spring for the summer residents; and advertising these collection events in various media outlets and via Fire Island Association e-mail lists.

Jacob Riis Park (Queens)

The Jacob Riis Park pad continued to receive HHW from curbside pickup crews. EPA recovery teams continued HHW collection activities in storm affected areas the Rockaways and Coney Island. The Riis Park pad is planning for the disposal of accumulated HHW from the staging area. OSC Foster conducted discussions with USACE contractor, ECC, regarding the status of debris management activities at the Riis Park location. According to ECC, debris management activities continue however it is their estimate that their mission is approximately 85% complete.

Fresh Kills Landfill (Staten Island)

Fresh Kills Landfill operations continued as normal. The Father Capodanno site has transferred all packaged materials and miscellaneous HHW and orphaned containers directly to Fresh Kills Area #2 for segregation and packaging. During the operational period, 32 one-cubic yard boxes of latex paint, 11 one-cubic yard boxes of household cleaners, and one cubic yard box of sand contaminated with hydraulic oil were transported for disposal to the Subtitle D solid waste landfill in Ontario County, NY. Human ashes collected during HHW operations in Staten Island were delivered to the Riewerts Memorial Funeral Home in Bergenfield, NJ for return to the next of kin. AirGas picked up 16 compressed gas cylinders for reclamation/recycling.

Nassau County

EPA continued to work with NYSDEC and local officials in responding to reports of orphaned containers primarily along the waterfront in Long Beach. EPA recovery teams continued HHW curbside collection in storm affected areas and orphaned container collection activities in the main land and bays south of Sunrise Highway. All HHW collected is being logged at the staging pad in Nickerson Beach. All curbside collection of HHW and orphaned containers are scheduled to be completed by close of business December 2, 2012. Bulking, packaging and disposal of materials will continue following that date.

Suffolk County

EPA recovery teams continued utilizing four HHW staging pads in Babylon, Riverhead, Islip, and Patchogue for HHW and orphaned container collection and drop-off. HHW curbside collection continued in Babylon but was suspended in Islip, Riverhead, and Patchogue due to minimal collection on daily runs. It is anticipated that pad operations at these three locations will be suspended close of business December 2, 2012, and suspended at Babylon close of business December 14, 2012.

New York Hazardous Waste Summary *						Operational Period: 11/29/2012		
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	Location Cumulative Totals
Cedar Grove Staging Area**	0	0	0	0	0	0	0	284
Fr. Capadano Park, Staten Island	0	43	1	0	0	247	291	7499
Fresh Kills Landfill Plant #1**	0	0	0	0	0	0	0	361
Fresh Kills Landfill Plant #2	0	0	0	0	0	0	0	2642
Islip Multipurpose Recycling Facility	0	0	0	0	0	0	0	740
Jacob Riis Park, Queens, NY	0	47	2	0	0	670	719	15943
Nickerson Park	1	9	60	1	0	3550	3621	41416
Old Bethpage Landfill and Recycling Center**	0	0	0	0	0	0	0	5538
Patchogue WWTP	0	0	0	0	0	0	0	565
Patchogue WWTP (Mastic Beach)	0	0	0	0	0	0	0	968
Riverhead Collection Area	0	0	0	0	0	0	0	130
Port of Coeymans**	0	0	0	0	0	0	0	101
Venetian Shores Park	0	2	0	0	1	122	125	9996
Daily Total	4756							
Cumulative Total	86183							

Cumulative Hazardous Waste Summary *						Operational Period: 11/29/2012		
Location	Drums	Propane Tanks	Cylinders	Containers (6-54 Gal)	Other (Large)	Small Containers (<5 gal)	Op-Period Totals	State Cumulative
New York	1	101	63	1	1	4589	4756	86183
New Jersey	9	0	3	0	0	0	12	250
Op-Period Totals	10	101	66	1	1	4589	4768	
Cumulative Totals	392	1895	1196	462	137	82351		
Daily Total	4768							
Grand Cumulative	86433							

* All Counts Based on Initial Intake Locations. ** Staging areas are no longer collecting/managing HHW.

REGULATED FACILITIES

EPA has completed assessments of facilities regulated under SPCC, FRP, and RMP programs. Several facilities were found to be impacted by Hurricane Sandy and have been reported previously, such as Motiva, Phillips 66 Bayway, Alden Leeds, and Kinder Morgan Carteret. These facilities are currently being addressed by state and/or federal partners and need no additional EPA assistance at this time. No other facilities were found to be impacted needing EPA assistance. No further reporting of SPCC, FRP, and RMP facilities will be done unless significant operations or actions by EPA are required or requested.

RCRA Corrective Action Group has completed inspections of all identified facilities within NY State. Any issues or violations are being addressed through normal regional operations unless specified elsewhere in the SitRep. Facility inspections in NJ have been suspended until further notice.

DECA Information for 11/29/12 Situation Report

Underground Storage Tanks:

Summary of DECA UST personnel in field: 11/29/12:

3 teams of 2 UST inspectors will be in the field on 11/29/12 assessing sites in Orange, Putnam, Sullivan, and Ulster Counties.

Summary of Site Assessments: Up to 11/29/12: Total of 561 UST assessments completed, 170 require follow up assessments and/or compliance inspections. 139 assessments are federally regulated UST facilities in Evacuation Zone A areas of Staten Island, Queens/Rockaways, Bronx, and Brooklyn/Coney Island, 5 of the NYC assessments are > 50,000 gallon backup generator USTs on Staten Island and Lower Manhattan; 286 assessments are federally regulated USTs at retail and non-retail facilities in the storm surge zone of Nassau County; 67 assessments are federally regulated USTs at retail and non-retail facilities in the storm surge zone of Suffolk County; 23 assessments are federally regulated USTs at retail facilities in the storm surge zone of Westchester County; 4 assessments are retail USTs in the storm surge zone of Rockland County; 28 assessments are facilities within 0.5 miles of the Hudson River or its major tributaries in Orange, Putnam, and Ulster Counties; 14 assessments are facilities with federally regulated USTs at randomly generated locations throughout Orange, Putnam, Sullivan, and Ulster Counties. There are no new major findings to report.

CUMULATIVE								
		NYC	Nassau	Suffolk	Westchester	Rockland	Upstate*	Total
Universe		139	299	68	26	4	79	615
No Power		30	31	5	1	0	0	67
Storm Damaged Facility		49	92	22	4	2	2	171
Storm Damaged UST	Yes	18	13	5	2	1	0	39
	Unknown	23	63	5	2	1	8	102
UST Spills		6	13	1	0	0	0	20
Facility Not Operating		34	78	8	0	3	4	127
Facility Was Flooded		68	133	28	11	3	2	245
Require Follow-up		50	98	9	6	2	5	170
Total Visited		139	286	67	23	4	42	561

*Orange, Putnam, Sullivan and Ulster Counties

Large Quantity Generators (LQG):

Summary of DECA LQG personnel in field on 11/29/12:

2 teams of 2 LQG inspectors will be in the field on 11/29/12 assessing sites.

Summary of LQG Site Assessments: Up through 11/28/12: There were no issues that require further EPA assessment identified on 11/28/12.

State	Universe	Visited	Reached via phone	Issues Requiring EPA Assessment
NY	92	85	7	0
NJ	404	0*	8	0

*EPA assessments on hold at the request of NJDEP.

Air Major Facilities in NY:

Summary of DECA Air personnel in field on 11/29/12:

1 team of 2 air inspectors and one additional air inspector will be in the field on 11/29/12 assessing sites.

Summary of CAA Majors Facility Assessments: Up through 11/28/12: There were no issues that require further EPA assessment identified on 11/28/12.

State	Universe	Visited	Issues Requiring EPA Assessment
NY	200*	85	3^

* Universe increased to include additional facilities. Original universe of 39 was Evacuation Zone A. ^Issues identified at Sims Metal East, LLC Queens Plant and Gershow Recycling of Brooklyn Inc. (11/20/12 Situation Report), and Bronx Metal Recycling (11/29/12 Situation Report).

Summary of PCB Facility Assessments:

Up through 11/29/12: Assessments have not identified any outstanding issues requiring EPA response.

NJ Reported PCB Releases: At this time, PTSB is not contacting New Jersey utilities regarding storm-related releases of PCBs, per DRA instructions. When appropriate, we will contact Atlantic City Electric, Jersey Central Power & Light, and PSE&G.

NY Reported PCB Releases: LIPA is still dealing with operational issues. PTSB will call them when it is deemed appropriate.

Updates: from 11/27/12 Situation Report

ConEdison reports that 105 unconfirmed spills were managed as 50-499 ppm PCB to expedite clean-up. There were 4 confirmed PCB spills at > 50 ppm PCBs, all contained in ConEdison underground structures:

- 1) Seaview Ave @ 80 St, Brooklyn
- 2) Sheepshead Bay @ Voorhees Ave, Brooklyn
- 3) 104 Broad St, Manhattan
- 4) 85 Broad St, Manhattan

2.2 Planning Section

PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

The Environmental Unit

1. Ambient Water Sampling

Newark Bay/NY Harbor - Thursday November 29, 2012: samples were collected today using EPA Vessel Clean Waters to reassess bacteria levels in surface water in the NY/NJ Harbor and Newark Bay.

2. PVSC Air Monitoring

Monitoring operations have been completed. Sit Unit is confirming.

3. Floyd Bennet Field Perimeter Air Sampling

On November 29, 2012 a second test burn was conducted. PM 2.5 monitoring is being conducted continuously on site at the perimeter monitoring locations.

The analytical results are still pending for the samples collected for dioxin analysis on November 25. There was a delay in shipping by the carrier, results are now expected on December 5.

The EU continues to work with the PIO and APB on the messaging and the data array of the PM2.5 monitoring data collected prior to the test burn and during the test burn for anticipated public release. The EU is currently tabulating data provided by the data management unit to present internally to the PIO, APB, and to appropriate command and general staff for internal review.

2.3 Logistics Section

Logistics

Logistics continues to establish lodging reservations for incoming personnel while maintaining lodging tracking and updating the lodging tracking sheet accordingly. Logistics is working with GSA on maintenance issues for vehicles along with securing an additional three vehicles from GSA.

2.4 Finance Section

FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 11/29/2012 @ 1330 hours:

Region, State	Agreement #, Current Expiration Date	Initial Agreement Date	Agreement Amount	Costs Incurred To Date	Estimated Burn Rate (\$/day)	Purpose
Region 2, New Jersey	4086DR-NJ-EPA-01, Expires 12/13/12	10/31/2012	\$400,000.00	\$358,736.28	\$11,957.88	ESF-10 EOC deployment and assessment assistance in NJ
Region 2, New Jersey	4086DR-NJ-EPA-02, Expires 12/10/12	11/2/2012	\$2,000,000.00	\$301,011.69	\$10,750.42	Drinking & Wastewater Assistance
Region 2, New Jersey	4086DR-NJ-EPA-03, Expires 12/10/12	11/4/2012	\$1,675,000.00	\$298,987.02	\$11,073.59	Technical Assistance for Environmental Assessments
Region 2 New Jersey	4086DR-NJ-EPA-04, Expires 03/02/13	11/3/2012	\$3,500,000.00	\$969,687.13	\$35,914.34	Direct Federal Assistance for oil/hazmat field ops
Region 2 New Jersey	4086DR-NJ-EPA-05, Expires 12/08/12	11/08/2012	\$1,275,000.00	\$762,639.13	\$36,316.15	REOC
Region 2 New York	4085DR-NY-EPA-02, Expires 12/30/12	11/04/2012	\$2,400,000.00	\$1,479,239.72	\$49,307.99	ESF-10 EOC deployment and assessment assistance in NY
Region 2 New York	4085DR-NY-EPA-01, Expires 12/01/12	11/2/2012	\$300,000.00	\$38,950.26	\$1,391.08	Drinking & Wastewater Assistance
Region 2 New York	4085DR-NY-EPA-04, Expires 12/04/12	11/7/2012	\$3,100,000.00	\$479,515.77	\$19,180.63	Technical Assistance for Environmental Assessments
Region 2 New York	4085DR-NY-EPA-03, Expires 12/01/12	11/7/2012	\$7,600,000.00	\$2,916,184.99	\$108,006.85	Direct Federal Assistance for oil/hazmat field ops
Region 2 New York	4085DR-NY-EPA-05, Expires 12/05/12	11/09/12	\$75,000.00	\$3,237.00	\$161.85	Dewatering Ops
TOTALS			\$22,330,000.00	\$7,625,796.07	\$231,084.73	

2.5 Other Command Staff

2.5.1 Safety Officer

Provided safety orientation to incoming OSC's. Safety visited the NJ Boat Operations at the Navesink River. Safety also attended the NJJFO Multi-Agency Safety Committee and conducted site visits at Fresh Kills Pad, Jacob Riis Park, and Father Capodanno.

2.5.2 Liaison Officer

EPA is continuing to monitor the progress of the outstanding Mission Assignments with FEMA. This included the attendance of associated meetings as deemed appropriate. During the next operational period, EPA will continue to staff the ESF-10 desk at the NYS/FEMA EOC.

2.5.3 Information Officer

The PIO is Pat Seppi and can be reached at (646) 369-0068. Media inquiries still open include requests from the NY Daily News, Downtown Express, and PBS Newshour. As mentioned earlier, Congresswoman Gillebrand is requesting information on whether or not EPA can take oiled soil at their drop off locations. EPA is checking with DEC on this issue. We are preparing to update the EPA website with the narrative and results of the air burn. A letter from Senator Lautenberg has been revised due to many inaccuracies and the questions about the Pompton Lakes site has been removed from the letter. CICs were deployed

today to Jacob Riis Park, Coney Island, Brighton Beach, and Gerritsen Beach. A CIC was also in Nassau County along with 2 OSCs who were visiting the drop off collection areas slated to close tomorrow.

3. Participating Entities

3.1 Unified Command

As of close of business November 28, 2012, EPA is no longer participating in the established Unified Command with the United States Coast Guard Sector New York. Should future requests require EPA support, EPA resources will be made readily available.

3.2 Cooperating Agencies

EPA is coordinating with a host of agencies on numerous efforts to assess, respond, recover, and mitigate environmental threats caused by Hurricane Sandy. Federal partners include FEMA, Army Corp. of Engineers, USCG, NOAA, and others. State agencies that EPA is coordinating efforts with include Departments of Health, Transportation, Sanitation, Parks, NYSDEC, NJDEP, Emergency Management, and others. County and local officials are also integrated in decision making and tactical assessments of situations.

4. Personnel On Site

Personnel on Site:

Region/State	Current EPA Personnel In Field (All Venues other than EPA Offices)	Current EPA Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2			58	35	93
New York	24	130			154
New Jersey	11	33			44
Total	35	163	58	35	291

Number of EPA Personnel Deployed to Region 2 – Hurricane Sandy (11/29/12)

	OSCs	RMs	PIOs	Water Specialists	GIS Specialists	RPMS	CICs	Other (field capable)	Other (not field capable)	Total by Region
Region 1	5	0	1	0	0	0	0	1	0	7
Region 3	8	0	1	0	0	0	0	0	2	11
Region 4	0	0	0	0	0	0	0	0	0	0
Region 5	2	1	0	0	0	0	0	0	0	3
Region 6	4	0	0	1	0	0	0	0	0	5
Region 7	3	0	0	0	0	0	0	0	0	3
Region 8	0	0	0	0	0	0	0	1	0	1
Region 9	0	0	0	0	0	0	0	0	0	0
Region 10	0	0	0	0	0	0	0	0	0	0
HQ	0	0	0	0	0	0	0	1	0	1
ERT	0	0	0	0	1	0	0	2	1	4
RTP	0	0	0	0	0	0	0	1	0	1
Total by job title	22	1	2	1	1	0	0	6	3	36

5. Definition of Terms

Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community

Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

6. Additional sources of information

It is believed that all community drinking water and wastewater treatment system assessments have been completed. Therefore, these data will no longer be reported.

ADDITIONAL INFORMATION:

WEBSITE: <http://www.epaosc.org/HurricaneSandy>

INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: www.epaosc.net, click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

FlexViewer :

WEBSITE: http://www.epa.gov/geospatial/ermaps/Region2_HurricaneSandy/

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constant being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

Afterhours Notifications, National Response Center (NRC)	800-424-8802
Deputy Regional Incident Coordinator (DRIC) for NY, Neil Norrell	908-420-4512
Deputy Regional Incident Coordinator (DRIC) for NY, Bonnie Hriczko	908-420-4450
Deputy Regional Incident Coordinator (DRIC) for NJ, Christopher Jimenez	908-420-4484
Deputy Regional Incident Coordinator (DRIC) for NJ, Kelli Lucarino	908-421-2628
NY JFO (Queens), Michael Solecki, OSC	908-420-4501

NJ JFO (Middletown), Carl Pellegrino, OSC

908-420-4462

REPORTING SCHEDULE

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

7. Situational Reference Materials

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at www.epaosc.org/HurricaneSandy.